BLACKSBURG - Steve Cooke (right) and Mike Flanders (center) explain solar home to President Carter.

Virginia Tech Students Present New Home idea To President

Two Virginia Tech students have designed something that's easy on fuel and goes wherever you go. No, its not a new car, but a modular solar home that President Carter thinks is definitely a step in the right direction.

Steve Cooke and Michael Flanders, graduate students in Tech's College of Architecture, impressed Carter so much with their idea for an inexpensive and energy efficient modular house that he cut the usual bureaucratic red tape and personally had Department of Energy to award the pair a $10,000 grant to continue their work on the project.

Cooke, of Tampa, Fla., and Flanders, of Fort Myers, Fla., are working on the plans with their old school friend from the University of Florida, John Craig.

The idea for the "adaptable house" as they like to call it, originated when Cooke and Flanders won awards in 1976 for their design of a passive solar dwelling called the "Florida house" in a competition sponsored by the American Institute of Architects and Exxon.

Mass production of the modular type unit would allow erection of a home in a few weeks and "young mobile families will be able to take the home with them when they move and have the structure reassembled" according to the plans.

Craig, a former law student who tried his hand at the construction business in Texas, became, in Cooke's words, "our front man," visiting the offices of a hundred congressmen in Washington. But he got the run around from the government until he put the idea directly to the President.

"Our opportunity came when Carter scheduled a town meeting in Tampa," Cooke said. When Craig stood up and popped the question, Carter invited the three of them to the White House to explain their proposal.

"If you've got a good idea, I'll guarantee you'll get a good hearing," the President told them. "Then I'll try to use my influence to get you an appointment with the secretary of energy."

In their proposal submitted to the Department of Energy, Cooke and Flanders said the house would evolve around the use of solar energy, but solar power would not be the main component. Three Goals were stated: ". . . conserve energy resources by using a natural passive system in the design of an economical dwelling. Provide new concepts in the construction of a house. And stop inflation by producing an affordable, efficient dwelling with the basic needs for a comfortable life."

Cooke, Craig and Flanders are hoping their design will be a reliable standard for dwellings; the "Model T prototype of future houses," as Cooke said. The house will be designed for hot humid climates, but can be altered for practically any region.

The plans call for a structure made of steel, aluminum, plastic and fiberglass covered with a porcelain finish.

The house would have a solar-powered hot water heater, other heat generated by the greenhouse effect, a fireplace and a retractable, double-tiered roof to trap the sun's heat in winter and reflect it in summer.

"The population explosion is such that traditional construction, even when planned, cannot produce enough homes," the proposal says. "Our dwelling is to be erected in components already manufactured, giving it the potential to be mass produced and considerable cost eliminated for the consumer."

Julio San Jose, dean of the College of Architecture and Urban Studies at Virginia Tech, says Cooke's and Flanders' project is "indicative of the sort of high quality work we're involved in. Cooke and Flanders have moved beyond the merely theoretical into the production and professional problems involved," said San Jose, "and their work is directly relevant to the challenges that face us today. I think it's great."

New Publication On Water Research Released

The latest publication on water research by the Virginia Water Resources Research Center (VRRC) at Virginia Tech may not contain all the information you wanted to know about water and water-related research, nor does it come packed in a brown wrapper.

But it does describe 19 research projects aimed at solving water-related problems in Virginia and the Southeast. It also lists various publications of the VRRC, many of which are free to Virginians.

Some of the research topics covered deal with preserving water quality, seeking more economical water treatment methods and looking into possible carcinogenic or cancer-causing elements in drinking water.

The list of publications contained in the brochure includes special reports, conference proceedings and 117 bulletins describing the results of previous research projects sponsored by the WRRC.

In addition to publishing three research bulletins during the past year, the WRRC released two special reports: "Virginia Water Law: A Functional Analysis with Respect to Quantity Management," and "Mercury Contamination in Virginia Waters: History, Issues, and Options."

The WRRC has a number of responsibilities in addition to sponsoring research and distributing published information on water and water-related research, such as providing training opportunities in research for students, maintaining a specialized library for researchers, and identifying and evaluating water problems in the Commonwealth.

The Tech WRRC is one of 54 such institutions located in four U. S. territories and in each of the 50 states.

Persons wishing a free copy of the 44 page research publication may write to the Virginia Water Resources Research Center, 617 N. Main Street, Blacksburg, Va. 24060.

December Is Christmas Seal Month

Governor John N. Dalton has named December as "Christmas Seal Month in Virginia" at his offices on Captiol Square in Richmond on December 7. Representing the Virginia Lung Association (VLA) at the signing of the document were Dr. Donald L. Brummer, VLA first vice president and associate professor of medicine at the Medical College of Virginia (MCV), and Dr. John L. Patterson, president of the VLA Richmond Region and MCV professor of medicine in the division of cardiopulmonary laboratories and research.

In discussing the annual Christmas Sal Campaign now in progress, Dr. Brummer said, "Christmas Seal funds contributed by our citizens are designated for helping lung disease patients live fuller and more active lives. December has been set aside as Christmas Seal Month in Virginia, and I hope all Virginians will note that the use of traditional seals on holiday mail serves as a reminder of the needs of lung disease patients."

On Monday, December 10, Mrs. Dalton, Virginia's First Lady and 1979 Honorary Christmas Seal Campaign Chairman, will honor area postmen at a reception at the U. S. Post Office on Brook Road in Richmond at 2 p.m. Special awards will be presented to selected postmen who have helped with the lung association's annual mail campaign.

A.C.H.S. FHA Meets

On December 5, 1979 the Senior Chapter Future Homemakers of America met. Susan Parris, president, called the meeting to order. After a short business meeting we showed two filmstrips on careers in home economics. They were entitled "Careers in Housing and Home Furnishings and "Careers in Child Care." The meeting was adjourned by Susan Parris, president.

Get Results!
Use The Times-Virginian Classified Ads

Rubber Stamps
File Folders
Legal Pads
Pens
Pencils
Envelopes
Clip Boards
Mimeo Paper
Bond Paper
Anything For The Office
The Times-Virginian
507 Court St.
Appomattox, Va.

WEDDING INVITATION and all accessories on sale at the Times-Virginian Newspaper on Court Street, Phone 352-8215.

A.J.SKATEWORLD

WELCOME TO OUR WORLD
352-2270
ROUTE 24 — APPOMATTOX, VA.

SCHEDULE

NEW HOURS:

Sunday — 1 P.M. to 4 P.M. 7:00 P.M. to 10:00 P.M.
Monday — PRIVATE PARTIES
Tuesday — PRIVATE PARTIES
Wednesday — FUN NIGHT 7:00 P.M. to10:00 P.M.
Thursday — 7 P.M. to 10:00 P.M.
Friday — 7 P.m. to 10:00 P.M. 9 P.M. to 12:00 P.M.
Saturday — 1 P.M. to 4 P.M. 7 P.M. to 10:00 P.M. — 9 P.M. to 12:00 P.M.

ASK ABOUT OUR ALL-SKATE CLUB

Skates and Skate Supplies For Sale — Order Now For Christmas.

EMISSION CONTROL CENTERS

Major Muffler

FREE EXHAUST SYSTEM INSPECTION

No Wait! Your muffler and tailpipe always in stock and ready for IMMEDIATE INSTALLATION

Low, Low Prices

Phone for a free estimate

Featuring a LIFETIME GUARANTEE CERTIFICATE

10% OFF ALL EXHAUST WORK WITH THIS AD

DUAL EXHAUST SYSTEMS CUSTOM BUILT FOR MOST CARS & TRUCKS

CONCORD SERVICE CENTER
RT. 460 E. AT CONCORD
Phone 993-2782

CHRISTMAS

Begins At ELLIOTT'S
DOWNTOWN APPOMATTOX

Visit Our Every Day Open House
For The Largest Gift Selection in Appomattox.

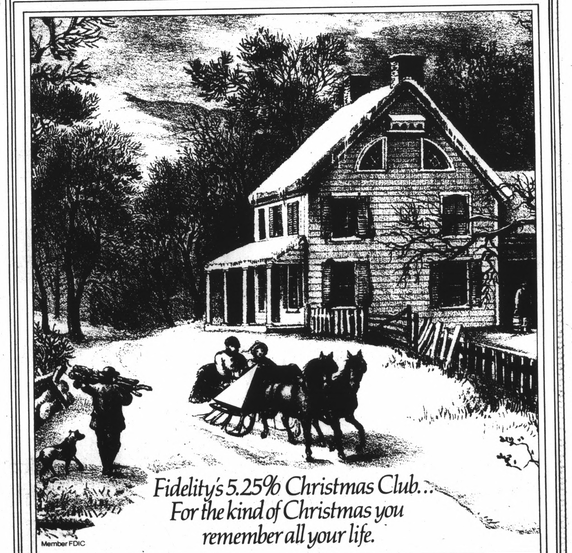
- Christmas Arrangements for Doors, Walls, & Tables
- Christmas Figurines
- Candle Rings
- Nativity Sets
- Cemetery Wreaths & Sprays for Tombstones
- Poinsettias
- Garlands
- Candles
- Fenton Lamps & Containers
- Ginger Jars by Ardalt & Hegill
- Lead Crystal from Germany
- Brass
- Pewter by Preisner
- Wood by Malock
- Address Books
- Photograph Books
- Song Books

FOR THE MAN ...
- Billfolds & Keyrings
- Letter Openers
- Cross Pen Sets
- Nail Clipper Sets
- Costume Jewelry

FOR THE LADY ...
- Billfolds & Keyrings
- Music Boxes
- Necklaces & Bracelets by Whiting Davis
- Cross Pen Sets

BOOKS BY ...
Helen Steiner Rice
Gibson
Ideals

Elliott Florists & Gifts
Main Street, Appomattox, Va.
PHONE: 352-5510



Take a minute to think about some of the "special" Christmases in your life. Maybe the one when the kids got the puppy that was a member of the family for eighteen years. Or the Christmas reunion, when all the aunts and cousins and grandparents came—and you couldn't walk for kids and presents. Or the many times the two of you danced to the Bing Crosby Christmas album, all alone, by the light of the tree. Special holidays, to dream of year after year. At Fidelity American Bank, nothing makes us happier than playing a part in somebody's "special" Christmas. Next year, let us be part of yours. Simply open a Fidelity Christmas Club, add to it here and there during the year and, when it's paid up, get back all your money and 5.25% interest...just in time to make next Christmas as nice as all the ones in your dreams.

FIDELITY AMERICAN BANK
Affiliate Central Fidelity Banks, Inc.

Why Further Advances Are Slow In the All Out War on Cancer

There IS progress in the war on cancer. But why so slow?

The primary reason is that, fundamentally, cancer is just a variation of the life of normal cells, with all their incredibly intricate and mystifying activities.

There are many chances for something to go wrong. Consider that more than 200 billion cells are formed in the human body every day-more than one million per second, says Dr. James P. Holland, the prominent cancer specialist of Mt. Sinai Hospital in New York City. Most of the new cells turn out okay. Many mistakes just die, or are wiped out by your own body's natural defense mechanisms.

But some by chancy error become cancer cells. And normal cells apparently can be influenced to turn cancerous by various things-exposure to radiation, or to environmental and chemical insults, or by physical injury, or by - who knows? perhaps a kind of "weariness" of cell reproduction with passing years. Is there, some wonder, an inbuilt "cancer gene" that somehow can come alive?

A Many Sided Evil

Speak not just of "Cancer." Cancer is considered by some specialists to be 100 to 500 different diseases, each with its own variations, and perhaps different causes.

The major successes have been made against cancers that grow rapidly. These successes came from basic research into the intricacies of the life of the cell. They showed cells could be vulnerable to special types of drugs hitting cells when they were dividing and making new genetic material, or DNA.

Combinations of drugs could zap cancer cells progressively at different stages of cell division, delivering a multiple punch to wipe them all out.

Then why so little change in the total overall statistics?

For one thing, none of the cancers being treated so successfully affects large numbers of people. Victories over them-so vital to the individuals concerned-can't do much more than offset the score on the more common cancer types affecting the lungs, breast, colon, pancreas and stomach.

For another, many Americans are now living to older ages, when cancers become more prevalent.

And lung cancer, due almost entirely to cigarettes, is causing one in five of all cancer deaths.

So, despite the gains against a dozen forms of cancers, "there's not all that much discernible change in life expectancy when we lump them all together," says Dr. Lewis Thomas, president of Memorial Sloan-Kettering Cancer Center in New York City.

But, he adds, drugs and combinations of drugs "are having amazing and spectacular effects. A few years ago, most of these cancers were untreatable."

New Life Promised

More and more cancer patients, especially children, now can be told "You will live," says Dr. Frank J. Rauscher, Jr., senior vice president for research of the American Cancer Society.

"There's a whole new generation of young adults, with new families of their own, who had once been children seemingly doomed by cancers," he notes.

This can be little comfort, of course, to people and relatives still being victimized by major forms of cancers.

But partly it means a door is opening toward curing those cancers too. Cancers are not invincible.

The most common cancers, like breast, lung, and colon, grow more slowly, and are not so vulnerable to the multiple-drug attack. For them other strategies likely will be needed.

One reason for misplaced pessimism about cancer, control involves an unavoidable time lag. New ideas, of drugs or techniques, spark major advances. But it can take 10 to 15 years before a new idea proves itself and begins to save large numbers of lives, Dr. Rauscher explains.

Time, a year or two, to set up the experiment with minimum risk to volunteer patients...five years to show it does save lives...up to another five years to prove it works in general use rather than just strictly controlled experimental conditions.

Pets for Christmas: Gift-Giver's Guide

Christmas is a time of joy throughout the world; it's also a holiday some people dread. For gift-givers, no other time of year causes more anxiety—instead of giving one present to a birthday boy or girl, the Christmas gift-giver must find gifts for every family member.

This holiday, the Pet Information Bureau suggests pets as alternatives to shirts, ties and perfume. There's a pet for every lifestyle, personality or budget, and a living gift is sure to bring happiness all year long.

Fish for Fathers

Dad and Grandad might not seem like the perfect candidates for a pet, since both are always on the go. However, chances are they'll find time to admire the tranquil beauty of a fresh or salt water aquarium. Fishkeeping is one America's most relaxing hobbies. It can be as easy as maintaining a tank filled with several hardy varieties of goldfish, or as involved as raising exotic guppies.

Most pet shops stock a variety of complete aquarium set-ups, including tank, gravel, pump, filters and heaters. After purchasing the tank and accessories for the man in your life, a "fish certificate" will make a creative "stocking stuffer," giving Dad or Granddad the pleasure of picking out their own fish Pet shop personnel can advise on proper tank, fish, and accessory selections.

Cheerful Chirpers

Birds are cheerful Christmas gifts that continue to spread glad tidings throughout the year. Mother and Grandmother will enjoy the concerts provided by canaries, exclaim with delight at the beauty of a scarlet macaw, and have interesting "conversations" with an Amazon parrot.

Bird givers should consult reputable breeders or pet shops for cages proportioned to the wing span of the chosen breed. Information concerning habits and diet requirements can also be acquired.

Furry Felines, Perfect Puppies

Children love animals, and usually puppies and kittens vie for the spot on a child's "most-wanted" list. A puppy or kitten given to a child at Christmas is a gift that will not be forgotten once festive decorations are put away. Not only will a child find a friend in the gift, it will learn valuable lessons in responsible pet ownership. Like babies, kittens and puppies must receive special attention and care during their first few growing months. Parents can illustrate responsibility in feeding, exercising and general care of the new pet.

Check with Pet Experts

Local breeders or pet shops will answer any questions concerning puppy and kitten care; veterinarians can detail necessary medical attention as the pet grows older. All that's needed to get the new pet started is a proper diet, warm bed and a loving child. Then, let nature take its course.

A living gift can help the spirit of Christmas stay alive, long after the holiday has passed. Pets will offer enough love and enjoyment to last for many Christmases to come.†

"Stained Glass" Ornaments from Paper and Glue

You can make unique, stained glass-look Christmas ornaments, without cutting glass or soldering. The same look can be achieved by simply cutting and pasting. Here's how:

Materials:

- "Scotch" craft mount adhesive
- Heavy black paper
- Colored tissue papers
- Mat knife or single-edged blades
- Embroidery thread

Directions:

Trace two of each ornament shape on heavyweight black paper. Cut out the pattern. Cut the tissue papers slightly larger than the open spaces they will cover to allow a border for gluing them to the black frame.

Spray one of the cut-out frames of each pattern with "Scotch" craft mount adhesive. Drop the tissue papers in place and press down around the edges. Make a loop of embroidery thread and press one edge of the loop to the frame.

To complete the ornament, spray the other frame and press it to the first one, covering the side to which the papers and thread are glued.†

Decorate with Cards

Share your Christmas cards with your holiday guests; make a festive greeting garland.

Hang a pine garland from a banister and as each card arrives punch a hole in the top of it and attach to the garland with a yarn bow.

Or, you might make a banner for displaying your cards. Cover a piece of cardboard with green felt and attach home decoration lettering . . . "Season's Greetings" is appropriate.

Trim felt strips with a hem stitch of red yarn and hang it from the cardboard. Tape your cards to the strips.

A tassel really sets things off! To make a tassel, cut a 3" piece of yarn and set it aside. Then, roll yarn around your hand several times. Tie the rolled yarn at one end with the piece of yarn. Cut the opposite end with scissors. Cut another short piece of yarn and use it to hang the tassels.

Banners will give your home the feeling of a great medieval hall.

Bring on the wassail bowl and the stuffed wild boar!

Give a Good-Grooming Gift this Season

If you're looking for an unusual Christmas gift for the people on your list this year, surprise them with something that demonstrates your interest in their good health and the beauty that comes with it.

In these health-conscious times, everyone wants to feel and look good year round, but especially during the festive season. A gift that can help those you care for to maintain their excellent health and appearance, or overcome certain health problems, is therefore a thoughtful one.

The item you choose will depend on how well you know the person for whom it is intended. For example, a teenage boy interested in muscle-building will welcome exercise equipment and body-building supplements such as protein powders. He'll also appreciate reading material on nutrition and general care of the body.

Boys and girls made miserable from acne will bless you for a consultation with a dermatologist or a reliable product and instructions for combating this major teenage problem. So too, will young adults who have missed out on learning how

gift for this epidermabrasion. It consists of a replaceable, round, white sponge attached to a curved handle, designed to easily reach the back and shoulders where excess oiliness can cause acne blemishes.

Used with a good cleanser, it is beneficial for smoothing bumps on the thighs caused by trapped hair; refining rough, flaky areas on elbows, lower buttocks and knees; and for thinning calluses on the palms and feet. It also massages the body as it stimulates circulation and brings out the skin's translucency.

SCHOOL SUPPLIES
Notebooks, Paper, Pens, Markers, Pencils, Erasers, Glue, Paste, Construction Paper, Typing Paper, Carbon Paper, Many, Many Other Things!!
TIMES-VIRGINIAN
Phone:352-8215
Court St.
Appomattox, Va.

MAGNETIC SIGNS
For Your Car Or Truck
THE TIMES-VIRGINIAN
Court St.
Appomattox, Va.
Phone:352-8215

RE-INSULATE AND GET A TAX CREDIT!

NOTICE TO CONSUMERS
Public Law No. PL 95-618 (signed by President Carter, November 9, 1978).
THE NATIONAL ENERGY ACT OF 1978 PROVIDES FOR:
RESIDENTIAL INSULATION AND CONSERVATION TAX CREDITS
"A non-refundable income tax credit for residential insulation and energy conservation measures — up to $300 or 15% of the first $2000 expended."

FOR DETAILS SEE
J. E. Sears & Co., Inc.
Phone 352-7138 Appomattox, Va.

Free Turkey

With The Purchase Of Any

RCA

Black & White Or Color

TELEVISION

SIMILAR TO MODEL SHOWN

RCA XL-100 19" diagonal

ONLY $379.00

RCA The Glenrich Model FD433

ALSO FREE TURKEY WITH PURCHASE OF ANY LITTON MICROWAVE OVEN OR ANY WHIRLPOOL APPLIANCES.

OFFER ENDS DECEMBER 24th.

ALL MERCHANDISE ON SALE TO MAKE YOUR

CHRISTMAS SPECIAL

NEW CREDIT CARD CALCULATOR

BATTERIES INCLUDED
LEATHERETTE CARD CASE
AUTOMATIC SHUTOFF
ALL PRIMARY MASS FUNCTIONS, INCLUDING MEMORY AND SQUARE ROOT

Compare At $28.95

ONLY $9.95

RCA

Appomattox RADIO, TV & APPLIANCE

Whirlpool

809 W. CONFEDERATE BLVD. RT. 460 WEST NEAR PLAZA
APPOMATTOX: 352-7505
CONCORD: 933-2424

GOODYEAR

OFFICIAL TIRE OF THE OLYMPIC WINTER GAMES

USA LAKE PLACID 1980

TIEMPO $39.95

P155/80R13 blackwall plus $1.59 FET, no trade needed

SIZES FOR IMPORT CARS			
Metric Size Blackwall	EVERY-DAY PRICE	Plus FET and old tire
P155/80R13	$42.00	$1.59
P165/80R14	$61.00	$1.72
P355/80R15	$61.00	$1.71
P265/80R15	$62.00	$2.09

SIZES FOR U.S. CARS				
Metric Size Whitewall	Fits	EVERY-DAY PRICE	Plus FET and old tire
P185/75R13	GR78-13	$66.00	$2.00
P195/75R14	FR78-14	$67.00	$2.36
P205/75R14	GR78-14	$72.00	$2.52
P215/75R14	HR78-14	$76.00	$2.52
P225/75R14	HR78-14	$80.00	$2.80
P205/75R15	FR78-15	$73.00	$2.57
P215/75R15	GR78-15	$77.00	$2.73
P225/75R15	HR78-15	$82.00	$2.95
P235/75R15	LR78-15	$88.00	$3.09

The Original All Season Radial

Tiempo is the only all season radial we know of that's been proved: (a) for over eighteen months, (b) in all kinds of weather (including the winter rains of 1977-78), and (c) from one end of this country to the other. There is no other tire "just like" Tiempo, and there's no need for you to settle for anything less. Spring, summer, winter or fall, Tiempo is one tire you can drive with confidence. Starting now!

NO EXTRA CHARGE FOR MOUNTING AND BALANCING

GOODYEAR

Appomattox Truck & Tractor

CONFEDERATE BLVD. PHONE 352-5445 APPOMATTOX, VIRGINIA